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| GAINS Math CAMPPP 2010: Grades 7-8 Breakout: Session 2c | |  |
| M.O. 10  A: 50  C/D 15  75 min | Math Learning Goals   * identify the Big Ideas ,curriculum expectations , lesson goals and consolidation question for a proportional reasoning summative assessment lesson * create a proportional reasoning summative assessment three part lesson | Materials   * PPT * BLM 2c.1 * BLM 2c.2 |
|  | Whole Group 🡪Grouping activity  Provide each participant with sentence from BLM 2c.1. (descriptors for Minds on Action and Consolidation.  Participants form groups based on their sentences.  Groups report out. |  |
| Minds On… |
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|  | Small Group 🡪Discussion  Each group receives 3 questions based on each part of the three part lesson. Groups match the 3 questions to each part of the three-part lesson. Questions are connected to the same Proportional Reasoning learning goal (comparing fractions).  Whole Group 🡪Discussion  Groups justify their decision to the whole group in order to reach consensus. Refer to the ‘Whole Class Math Talk’ anchor chart from LNS Monograph No. 1.  Pairs 🡪Activity  Participants analyze assessment asks from different textbook resources related to operations with fractions. Participants discuss: ‘Which task would you choose to assess whether students have achieved the lesson goal? Explain your thinking.’  Small Group 🡪Square  Pairs square with another pair. Pairs provide feedback. |  |
| Action! |
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|  | Independent 🡪Journal  Participants write a letter home sharing the following:  An aha moment from the day  A question they still have  Something they can apply in their practice  Something that they understand at a deeper level |  |
| Consolidate Debrief |
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| Application  Concept Practice  Differentiated  Exploration  Reflection  Skill Drill | Home Activity or Further Classroom Consolidation |  |

**BLM 2c.1**

**BLM 2c.2**